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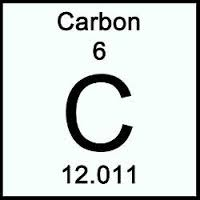
**Unit 2, Topic #1 Review – Atomic and Molecular Structure**

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Topic 1 Checkpoint*

1. Explain the difference between an atom and an element.

1. What are the three main subatomic particles and their respective charges?

1. How is an isotope different from an element? Provide an example of an isotope.
2. How do you calculate the atomic mass of an atom?

1. Provide the following for Carbon (include how you calculated the numbers):   
   1. Atomic Mass
   2. Atomic Number
   3. Number of Protons
   4. Electrons
   5. Neutrons

1. Compare and Contrast covalent and ionic bonds.